



# KENTUCKY WEEKLY CROP & WEATHER REPORT



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Prepared in Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

**LELAND E. BROWN, State Statistician**

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JMB 14-00

**AGRICULTURAL NEWS:** Scattered rain showers continued throughout the week. The rain furthered the growth of the crops throughout the Commonwealth. Some areas which received heavy rains reported crop damage due to standing water in low lying areas. Days suitable for fieldwork averaged 3.2 out of a possible six days. **Topsoil moisture** as of Friday, June 23, was rated 1 percent very short, 9 percent short, 72 percent adequate, and 18 percent surplus. **Subsoil moisture** was rated 6 percent very short, 31 percent short, 53 percent adequate, and 10 percent surplus. Major activities during the week included, wheat harvest, planting double crop soybeans, resetting tobacco, and repairing farm machinery while waiting for the rain to stop.

**CORN:** Rains throughout the week helped corn growth. Condition of the crop as of Friday, June 23 was reported as 2 percent poor, 17 percent fair, 47 percent good, and 34 percent excellent. Ten percent of the corn has reached the silk stage, compared to last year's 2 percent, and the 5 year average of 1 percent. There were a few reports of increased corn borer and Japanese beetle activity in the corn.

**SOYBEANS:** Planting of double crop soybeans continued, although it was slowed due to the rain. Soybeans averaged 83 percent planted, with 98 percent of the single crop beans, and 45 percent of the double crop beans seeded respectively. This is 6 percent behind last year, and 16 percent ahead of the 5 year

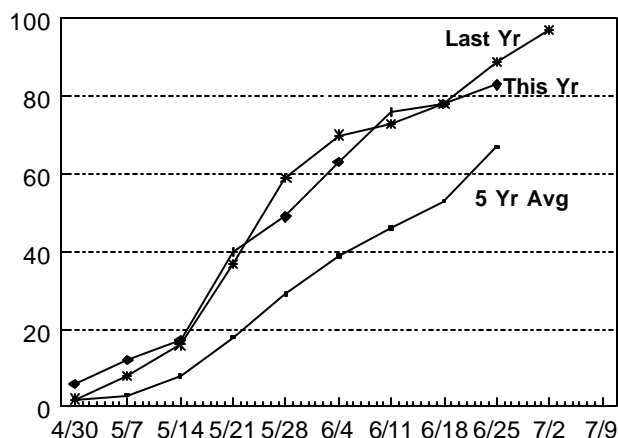
average. Seventy nine percent of the planted soybeans have emerged. The condition of the crop as of Friday, June 23 was reported as 3 percent poor, 15 percent fair, 54 percent good, and 28 percent excellent. Average height of emerged soybeans was 8 inches.

**TOBACCO:** To date the tobacco crop looks good throughout the State with minimal reports of disease and insects. The rains caused black shank to appear in some tobacco fields. The tobacco crop was 11 percent over 24 inches tall, 44 percent was between 12-24 inches, and 45 percent was under 24 inches. Condition of the crop as of Friday, June 23 was reported as 1 percent very poor, 4 percent poor, 18 percent fair, 59 percent good, and 18 percent excellent.

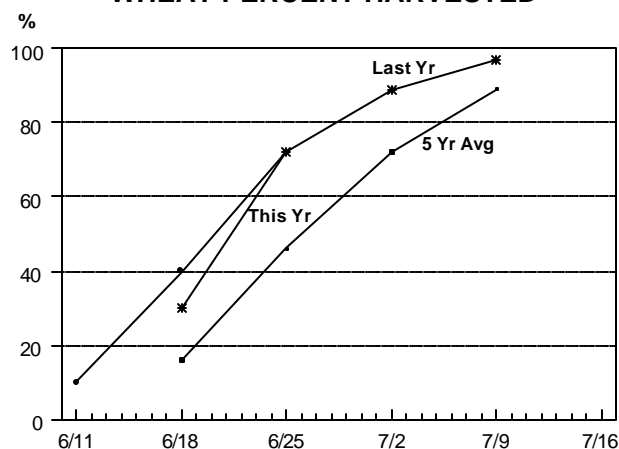
**SMALL GRAINS:** **Barley** harvested was 93 percent complete by the end of the week. **Wheat** harvested continued with 72 percent harvested as of Sunday, June 25. Most farmers reported good yields, although some low test weights have been reported.

**OTHER CROPS:** **Sorghum** planting advanced to 80 percent complete by the end of the week, compared with 56 percent for the 5 year average. Second cutting of **hay** continued throughout the state. Rain continued to benefit **pasture** growth, and farmers were busy clipping pastures. Condition of the pastures as of Friday, June 23 was reported as 1 percent very poor, 7 percent poor, 30 percent fair, 49 percent good, and 13 percent excellent. Insect damage to vegetables has been reported in eastern areas of the State.

**SOYBEAN PLANTING PROGRESS**



**WHEAT PERCENT HARVESTED**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING JUNE 25, 2000  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Silking	10	2	1	NA	2
Soybeans Planted	83	89	67	78	NA
Wheat Harvested	72	72	46	40	35
Barley Harvested	93	98	88	90	NA

(NA) Data Not Available.

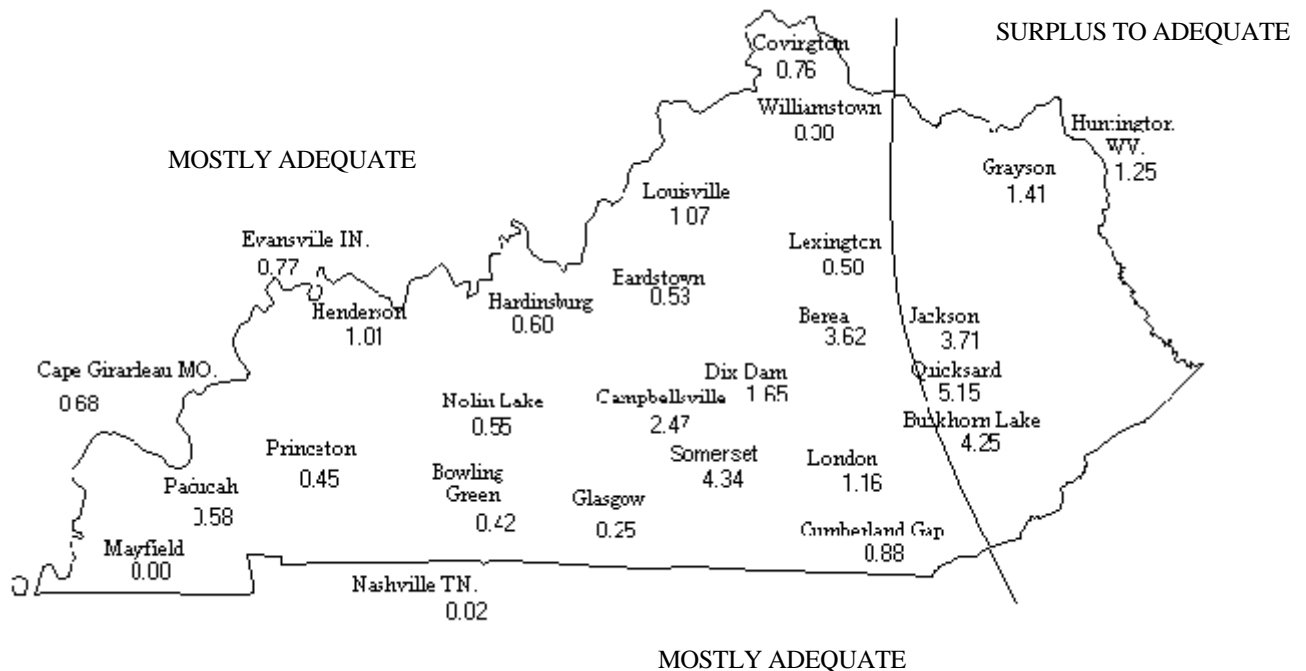
**SOIL MOISTURE**  
WEEK ENDING JUNE 23, 2000  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	1	11
Short	9	42
Adequate	72	44
Surplus	18	3
<b>SUBSOIL</b>		
Very Short	6	14
Short	31	42
Adequate	53	42
Surplus	10	2

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING JUNE 23, 2000					WEEK ENDING JUNE 16, 2000				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	2	17	47	34	1	2	24	49	24
Soybeans	0	3	15	54	28	0	2	19	58	21
Pasture	1	7	30	49	13	3	10	36	44	7
Set Tobacco	1	4	18	59	18	1	5	26	56	12

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 25, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 23, 2000**



## KENTUCKY WEATHER SUMMARY, JUNE 19 - 25, 2000:

### ABOVE NORMAL TEMPERATURES AND RAINFALL:

The start of summer saw highs in the 80s for most of the week with scattered showers occurring across much of the State with some areas of Eastern Kentucky receiving up to 5 inches of rain.

Temperatures for the period averaged 76 degrees across the State which was 2 degrees ABOVE NORMAL. High temperatures averaged from 87 in the West to 84 in the East. Departure from normal high temperatures ranged from 1 degree BELOW NORMAL in the West to NEAR NORMAL in the East. Low temperatures averaged from 67 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 3 degrees ABOVE NORMAL in the West to 3 degrees ABOVE NORMAL in the East. As of June 17th, the Palmer Drought Index showed the entire State in a MODERATE hydrological drought with the Crop Moisture Index for the State at NEAR NORMAL conditions agriculturally.

Rainfall for the period totaled 1.28 inches Statewide which was 0.38 inches ABOVE NORMAL. Precipitation totals by climate division, West 0.58 inches, Central 0.57 inches, Bluegrass 1.19 inches and East 2.77 inches, which was -0.27, -0.35, +0.31 and +1.85 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Mayfield to a high of 5.15 inches at Quicksand.

Tom Priddy

### KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JUNE 25, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.53	9.52	2.38	-1.88	-1.10	89	61	75.9	+1	176	1414	+99
Berea	3.62	15.82	5.87	+3.46	+2.11	88	59	74.6	+1	168	1391	+45
Bowling Green	0.42	11.54	0.93	-1.19	-3.02	92	64	78.5	+4	189	1428	+57
Bristol	0.45	9.34	2.71	-0.81	-0.62	89	58	74.0	+0	164	1279	+50
Buckhorn Lake	4.25	15.40	6.13	+4.08	+2.27	88	59	75.0	+1	172	1384	+205
Cape Girardeau	0.68	9.10	4.30	-3.41	+0.91	90	59	76.7	+0	178	1436	+9
Campbellsville	2.47	14.73	5.01	+1.33	+1.04	90	62	77.2	+3	182	1467	+146
Covington	0.76	13.52	4.49	+2.29	+0.88	86	61	74.2	+0	168	1251	+77
Cumberland Gap	0.88	10.03	1.17	-2.41	-2.85	91	57	75.6	+2	170	1438	+234
Dix Dam	1.65	12.23	3.91	+0.21	+0.39	89	62	75.6	+2	175	1384	+69
Evansville	0.77	9.29	4.17	-2.39	+0.80	89	61	76.1	-0	176	1349	+8
Glasgow	0.25	13.91	1.66	+0.47	-2.66	93	62	79.1	+5	187	1548	+262
Grayson	1.41	11.46	3.67	+0.37	+0.06	87	62	74.7	+1	170	1343	+225
Hardinsburg	0.60	10.83	3.84	-1.51	+0.21	90	64	77.2	+3	183	1470	+99
Henderson	1.01	12.26	5.47	+0.29	+1.87	89	64	76.7	+0	182	1476	+105
Huntington	1.25	10.69	3.51	-0.25	+0.01	87	62	74.7	+1	171	1335	+131
Jackson	3.71	15.99	5.88	+4.23	+2.26	87	62	74.2	+0	167	1337	+158
Lexington	0.50	10.87	2.82	-0.53	-0.66	90	63	76.0	+2	176	1337	+138
London	1.16	10.60	2.51	-0.60	-0.92	89	61	75.5	+2	175	1327	+123
Louisville	1.07	11.28	4.94	-0.45	+1.61	90	64	76.3	+2	177	1411	+70
Mayfield	0.00	9.31	1.30	-3.56	-1.99	91	64	76.4	-0	178	1429	-3
Nashville	0.02	14.88	0.51	+2.65	-2.94	93	64	80.1	+6	196	1518	+61
Nolin Lake	0.55	11.80	1.93	-1.48	-1.87	91	64	78.1	+4	186	1458	+193
Paducah	0.58	11.42	2.11	-1.90	-1.74	90	62	77.8	+1	186	1477	+50
Princeton	0.45	12.75	1.95	-0.22	-1.74	91	62	78.1	+2	185	1577	+176
Quicksand	5.15	19.52	9.30	+7.76	+5.68	87	59	74.6	+1	170	1410	+231
Somerset	4.34	17.70	7.80	+4.75	+3.78	88	61	76.4	+3	180	1426	+136
Spindletop	0.29	8.86	1.81	-2.54	-1.67	89	63	75.7	+2	175	1310	+111
Williamstown	0.30	13.50	4.72	+1.80	+1.15	89	61	75.2	+1	172	1393	+194

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (606)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES

### CORN PHENOLOGICAL STAGES:

- Silking* - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough* - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent* - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature* - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

### SOYBEAN PHENOLOGICAL STAGES:

- Blooming* - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods* - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves* - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

### SORGHUM PHENOLOGICAL STAGES:

- Headed* - The head is present, visible and fully emerged.
- Coloring* - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature* - Grains readily part from the head and are tough and not easily crushed by the thumbnail.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, send an E-Mail message to [nass-state-releases@news.usda.gov](mailto:nass-state-releases@news.usda.gov) with the following command in the body of the message: **subscribe ky-crop-weather <e-mail address>**. The E-Mail address is optional; leave the address blank unless subscribing for someone else. The default address is where you sent the message from. You would unsubscribe in a similar way but use the word unsubscribe.

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